

057005/30 OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/852,209

DATE: 06/08/2001
 TIME: 11:47:42

Input Set : C:\PAOLA\09852209.txt
 Output Set: N:\CRF3\06082001\I852209.raw

2.

ENTERED

5 <110> APPLICANT: ERIKSSON, Ulf
 7 AASE, Karin
 9 LEE, Xuri
 11 PONTEN, Annica
 13 UUTELA, Marko
 15 ALITALO, Kari
 17 OESTMAN, Arne
 19 HELDIN, Carl-Henrik
 21 BETSHOLTZ, Christer
 25 <120> TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
 27 THEREFOR, AND USES THEREOF
 31 <130> FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
 35 <140> CURRENT APPLICATION NUMBER: 09/852,209
 36 <141> CURRENT FILING DATE: 2001-05-10
 40 <150> PRIOR APPLICATION NUMBER: 09/410,349
 42 <151> PRIOR FILING DATE: 1999-09-30
 46 <150> PRIOR APPLICATION NUMBER: 60/110,749
 48 <151> PRIOR FILING DATE: 1998-12-03
 52 <150> PRIOR APPLICATION NUMBER: 60/113,002
 54 <151> PRIOR FILING DATE: 1998-12-18
 58 <150> PRIOR APPLICATION NUMBER: 60/135,426
 60 <151> PRIOR FILING DATE: 1999-05-21
 64 <150> PRIOR APPLICATION NUMBER: 60/144,022
 66 <151> PRIOR FILING DATE: 1999-07-15
 70 <160> NUMBER OF SEQ ID NOS: 39
 74 <170> SOFTWARE: PatentIn Ver. 2.0
 78 <210> SEQ ID NO: 1
 80 <211> LENGTH: 16
 82 <212> TYPE: PRT
 84 <213> ORGANISM: Homo sapiens
 88 <220> FEATURE:
 90 <221> NAME/KEY: UNSURE
 92 <222> LOCATION: (2)
 94 <223> OTHER INFORMATION: Can be any amino acid residue
 98 <220> FEATURE:
 100 <221> NAME/KEY: UNSURE
 102 <222> LOCATION: (7)
 104 <223> OTHER INFORMATION: Can be any amino acid residue
 108 <220> FEATURE:
 110 <221> NAME/KEY: UNSURE
 112 <222> LOCATION: (12)
 114 <223> OTHER INFORMATION: Can be any amino acid residue
 118 <220> FEATURE:
 120 <221> NAME/KEY: UNSURE
 122 <222> LOCATION: (14)
 124 <223> OTHER INFORMATION: Can be any amino acid residue
 128 <400> SEQUENCE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/852,209

DATE: 06/08/2001
TIME: 11:47:42

Input Set : C:\PAOLA\09852209.txt
Output Set: N:\CRF3\06082001\I852209.raw

W--> 130 Pro Xaa Cys Leu Leu Val Xaa Arg Cys Gly Gly Xaa Cys Xaa Cys Cys
132 1 5 10 15
138 <210> SEQ ID NO: 2
140 <211> LENGTH: 2108
142 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
148 <220> FEATURE:
150 <221> NAME/KEY: unsure
152 <222> LOCATION: (2002)
154 <223> OTHER INFORMATION: can be a, c, g or t
158 <220> FEATURE:
160 <221> NAME/KEY: unsure
162 <222> LOCATION: (2065)
164 <223> OTHER INFORMATION: can be a, c, g or t
168 <220> FEATURE:
170 <221> NAME/KEY: unsure
172 <222> LOCATION: (2070)
174 <223> OTHER INFORMATION: can be a, c, g or t
178 <220> FEATURE:
180 <221> NAME/KEY: unsure
182 <222> LOCATION: (2089)
184 <223> OTHER INFORMATION: can be a, c, g or t
188 <400> SEQUENCE: 2
190 ccccgccgtg agtgagctct caccggcgtc agccaaatga gcctcttcgg gcttctccgt 60
192 gtgacatctg ccctggccgg ccagagacga gggactcagg cggaatccaa cctgagtagt 120
194 aaattccagt ttccagcaa caaggaacag aacggagttac aagatcctca gcatgagaga 180
196 attattactg tgcactaa tggaaagtatt cacagccaa gggttcctca tacttatcca 240
198 agaaatacgg tcttggatg gagattagta gcagtagagg aaaatgtatg gatacaactt 300
200 acgtttgatg aaagatttgg gcttgaagac ccagaagatg acatatgcaaa gtatgatttt 360
202 gtagaagttg aggaacccag tgatgaaact atattaggc gctgggtgtgg ttctggtaact 420
204 gtaccaggaa aacagatttc taaagggaaat caaatttagga taagatttgt atctgatgaa 480
206 tatttcctt ctgaaccagg gttctgcattt cactacaaca ttgtcatgcc acaattcaca 540
208 gaagctgtga gtccttcgt gtcacccct tcagcttgc cactggaccc gcttaataat 600
210 gctataactg ctttagtac ttggaaagac cttattcgat atcttgaacc agagagatgg 660
212 cagttggact tagaagatct atataggcca acttggcaac ttcttggcaaa ggctttgtt 720
214 ttggaaagaa aatccagagt ggtggatctg aaccttctaa cagaggaggt aagattatac 780
216 agctgcacac ctcgttaactt ctcagtgtcc ataaggaaag aactaaagag aaccgatacc 840
218 attttctggc cagggtgtct cttggtaaa cgctgtggtg ggaactgtgc ctgttgc 900
220 cacaattgca atgaatgtca atgtgtccca agcaaaatgtt ctaaaaaata ccacgaggtc 960
222 cttcgttgc gaccaaagac cgggtgtcagg ggattgcaca aatcactcac cgacgtggcc 1020
224 ctggagcacc atgaggagtg tgactgtgtg tgcagaggaa gcacaggagg atagccgcat 1080
226 caccaccaggc agctcttgc cagagctgtg cagtcgtcagg gctgattcta ttagagaacg 1140
228 tatgcgttat ctccatcctt aatctcgtt gtttgcatttca aggaccttcc atcttcaggaa 1200
230 ttacagtgc attctgaaag aggagacatc aaacagaatt aggagttgtg caacagctct 1260
232 ttggagagga ggcctaaagg acaggagaaa aggttccaa tcgtggaaag aaaattaaat 1320
234 gttgtattaa atagatcacc agctagttc aggttacca tgcgttgcattt ccactagctg 1380
236 gtttgcattt ttcgttgc tgcatacggc ttggtaat gtcgttgcattt gaaaaaaact 1440
238 gtgcgttgc gacccgtt ccgttgcattt gcttaactct aaagctccat gtcctggcc 1500
240 taaaatcgta taaaatctgg attttttttt ttttttttgc tcatattcactatgtaaac 1560

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/852,209

DATE: 06/08/2001
TIME: 11:47:42

Input Set : C:\PAOLA\09852209.txt
Output Set: N:\CRF3\06082001\I852209.raw

242 cagaacattc tatgtactac aaacctgggt tttaaaaagg aactatgttgc 1620
 244 aacttgtgtc rtgctgatag gacagactgg attttcata tttcttatta aaatttctgc 1680
 246 catttagaag aagagaacta cattcatggt ttgaaagaga taaacctgaa aagaagagtg 1740
 248 gccttatctt cactttatcg ataagtcagt ttatgtttt cattgtgtac atttttat 1800
 250 tctccttttgc acattataac tggcgtttt tctaatttttgc ttaaatatat ctattttac 1860
 252 caaaggattt taatattctt tttatgaca acttagatca actattttgc gcttggtaaa 1920
 254 ttttctaaa cacaattgtt atagccagag gaacaaagat ggatataaaa atattgttgc 1980
 W--> 256 cctggacaaa aatacatgtt tntccatccc ggaatggtgc tagagtttgc ttaaacctgc 2040
 W--> 258 attttaaaaaa acctgaatttgc ggaanggaan ttggtaaggt tggccaaanc tttttgaaa 2100
 260 ataattaa 2108
 264 <210> SEQ ID NO: 3
 266 <211> LENGTH: 345
 268 <212> TYPE: PRT
 270 <213> ORGANISM: Homo sapiens
 274 <400> SEQUENCE: 3
 276 Met Ser Leu Phe Gly Leu Leu Leu Val Thr Ser Ala Leu Ala Gly Gln
 278 1 5 10 15
 282 Arg Arg Gly Thr Gln Ala Glu Ser Asn Leu Ser Ser Lys Phe Gln Phe
 284 20 25 30
 288 Ser Ser Asn Lys Glu Gln Asn Gly Val Gln Asp Pro Gln His Glu Arg
 290 35 40 45
 294 Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His Ser Pro Arg Phe Pro
 296 50 55 60
 300 His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp Arg Leu Val Ala Val
 302 65 70 75 80
 306 Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp Glu Arg Phe Gly Leu
 308 85 90 95
 312 Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp Phe Val Glu Val Glu
 314 100 105 110
 318 Glu Pro Ser Asp Gly Thr Ile Leu Gly Arg Trp Cys Gly Ser Gly Thr
 320 115 120 125
 324 Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln Ile Arg Ile Arg Phe
 326 130 135 140
 330 Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly Phe Cys Ile His Tyr
 332 145 150 155 160
 336 Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val Ser Pro Ser Val Leu
 338 165 170 175
 342 Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn Asn Ala Ile Thr Ala
 344 180 185 190
 348 Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp
 350 195 200 205
 354 Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly
 356 210 215 220
 360 Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val Val Asp Leu Asn Leu
 362 225 230 235 240
 366 Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr Pro Arg Asn Phe Ser
 368 245 250 255
 372 Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe Trp Pro
 374 260 265 270

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/852,209

DATE: 06/08/2001

TIME: 11:47:42

Input Set : C:\PAOLA\09852209.txt
Output Set: N:\CRF3\06082001\I852209.raw

378 Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn Cys Ala Cys Cys Leu
 380 275 280 285
 384 His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser Lys Val Thr Lys Lys
 386 290 295 300
 390 Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr Gly Val Arg Gly Leu
 392 305 310 315 320
 396 His Lys Ser Leu Thr Asp Val Ala Leu Glu His His Glu Glu Cys Asp
 398 325 330 335
 402 Cys Val Cys Arg Gly Ser Thr Gly Gly
 404 340 345
 410 <210> SEQ ID NO: 4
 412 <211> LENGTH: 1536
 414 <212> TYPE: DNA
 416 <213> ORGANISM: Homo sapiens
 420 <400> SEQUENCE: 4
 422 cggttaaatt ccagtttcc agcaacaagg aacagaacgg agtacaagat cctcagcatg 60-
 424 agagaattat tactgtgtct actaatggaa gtattcacag cccaaagggtt cctcatactt 120
 426 atccaagaaa tacggcttgc gtatggagat tagtagcagt agaggaaaat gtatggatac 180
 428 aacttacgtt tggatggaa tttgggcttg aagaccaga agatgacata tgcaagttatg 240
 430 attttgtaga agttggggaa cccagtgtatg gaactatatt agggcgttgc tggatgttctg 300
 432 gtactgtacc aggaaaacag atttctaaag gaaatcaaata taggataaga tttgtatctg 360
 434 atgaatattt tccttctgaa ccagggttct gcatccacta caacattgtc atgccacaat 420
 436 tcacagaagc tggatgttgc tcaatgttgc ccccttcagc tttggccactg gacccgttta 480
 438 ataatgttat aactgcctt agtacccgtt aagacccat tgcataatctt gaaccagaga 540
 440 gatggcagtt ggacttagaa gatctatata ggccaacttg gcaacttctt ggcaaggctt 600
 442 ttgttttgg aagaaaatcc agagtgggtt atctgaacct tctaaccagg gaggttaagat 660
 444 tatacagctg cacacccgtt aacttcttgc tggatgttgc ccccttcagc tttggccactg gacccgttta 720
 446 ataccatttt ctggccagggt tggatgttgc ttaaacgttgc tggatgttgc tggatgttctg 780
 448 gtctccacaa ttgcaatgaa tggatgttgc tcccaagcaa agttactaaa aaataccacg 840
 450 aggtccctca gttgagacca aasaccgggtt tcagggttgc gcaaccatca ctcaccgacg 900
 452 tggcccttgg gcaaccatgtt gggatgttgc tggatgttgc tggatgttgc tggatgttctg 960
 454 cgcacatccca ccaggccgttcc tggcccttgg gcaaccatgtt gggatgttgc tggatgttctg 1020
 456 gaaatgtatgc gttatcttca tccttaatctt cagttgttgc tttcaaggac ctttcatctt 1080
 458 caggattttac agtgcatttc gaaagaggag acatcaaaca gaattaggag ttgtgcaaca 1140
 460 gctcttttgc gaggaggcctt aaaggacagg agaaaagggtt ttcaatgttgc gaaagaaaat 1200
 462 taaatgttgc attaaataga tcaccatgtt gtttcaatgttgc tggatgttgc tggatgttctg 1260
 464 agtgggggtt tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttctg 1320
 466 aaactgttgc agtgggggtt tggatgttgc tggatgttgc tggatgttgc tggatgttctg 1380
 468 gggccctaaaa ttgtataaaaa tctggatgttgc tggatgttgc tggatgttgc tggatgttctg 1440
 470 taaaccagaa cattctatgtt actacaaacc tggatgttgc tggatgttgc tggatgttctg 1500
 472 aataaaactt ttgtcatgtt gataggacacg actggaa 1536
 476 <210> SEQ ID NO: 5
 478 <211> LENGTH: 318
 480 <212> TYPE: PRT
 482 <213> ORGANISM: Homo sapiens
 486 <400> SEQUENCE: 5
 488 Gly Lys Phe Gln Phe Ser Ser Asn Lys Glu Gln Asn Gly Val Gln Asp
 490 1 5 10 15
 494 Pro Gln His Glu Arg Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/852,209

DATE: 06/08/2001
TIME: 11:47:42

Input Set : C:\PAOLA\09852209.txt
Output Set: N:\CRF3\06082001\I852209.raw

496	20	25	30
500	Ser Pro Arg Phe Pro His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp		
502	35	40	45
506	Arg Leu Val Ala Val Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp		
508	50	55	60
512	Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp		
514	65	70	75
518	Phe Val Glu Val Glu Glu Pro Ser Asp Gly Thr Ile Leu Gly Arg Trp		80
520	85	90	95
524	Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln		
526	100	105	110
530	Ile Arg Ile Arg Phe Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly		
532	115	120	125
536	Phe Cys Ile His Tyr Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val		
538	130	135	140
542	Ser Pro Ser Val Leu Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn		
544	145	150	155
548	Asn Ala Ile Thr Ala Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu		160
550	165	170	175
554	Glu Pro Glu Arg Trp Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr		
556	180	185	190
560	Trp Gln Leu Leu Gly Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val		
562	195	200	205
566	Val Asp Leu Asn Leu Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr		
568	210	215	220
572	Pro Arg Asn Phe Ser Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp		
574	225	230	235
578	Thr Ile Phe Trp Pro Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn		240
580	245	250	255
584	Cys Ala Cys Cys Leu His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser		
586	260	265	270
590	Lys Val Thr Lys Lys Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr		
592	275	280	285
596	Gly Val Arg Gly Leu His Lys Ser Leu Thr Asp Val Ala Leu Glu His		
598	290	295	300
602	His Glu Glu Cys Asp Cys Val Cys Arg Gly Ser Thr Gly Gly		
604	305	310	315
610	<210> SEQ ID NO: 6		
612	<211> LENGTH: 1474		
614	<212> TYPE: DNA		
616	<213> ORGANISM: Murinae gen. sp.		
620	<220> FEATURE:		
622	<221> NAME/KEY: unsure		
624	<222> LOCATION: (1447)		
626	<223> OTHER INFORMATION: can be a, c, g or t		
630	<400> SEQUENCE: 6		
632	cacctggaga cacagaagag ggctcttagga aaaatttgg atggggattt tttggaaact 60		
634	accctgcgtat tctctgtgc cagagccgc caggcgcttc caccgcagcg cagcctttcc 120		
636	ccgggctggg ctgagccttg gatgcgtcgc ttccccatgt cccggccgca gtgagccctc 180		

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/852,209

DATE: 06/08/2001
TIME: 11:47:43

Input Set : C:\PAOLA\09852209.txt
Output Set: N:\CRF3\06082001\I852209.raw

L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2586 M:259 W: Allowed number of lines exceeded, <223> Other Information: